

Attachment "A"

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A gas generating composition for use with an airbag device or a seat belt pretensioner apparatus, comprising:

ammonium nitrate as an oxidizing agent_{[[,]]};

microcrystalline carbon powder as a reducing agent, wherein the microcrystalline carbon powder is activated carbon having an average particle size of 0.1 to 500 μm and having a specific surface of 5 to 1600 m^2/g ; and

a stabilizer, wherein the amounts of the ammonium nitrate, the microcrystalline carbon, and the stabilizer are from 89 to 99wt%, from 1 to 6wt%, and from 0.2 to 6wt%, respectively, with respect to the total amount of the ammonium nitrate, the microcrystalline carbon and the stabilizer.

2. (Original) The gas generating composition as recited in claim 1, wherein the amount of the microcrystalline carbon is from 1.5 to 6wt% with respect to the amount of the ammonium nitrate, and the amount of the stabilizer is from 10 to 200wt% with respect to the amount of the microcrystalline carbon.

3-11. (Canceled)

12. (New) The gas generating composition as recited in claim 1, wherein the ammonium nitrate has an average particle size of 1 to 1000 μ m, and the stabilizer has an average particle size of 0.1 to 500 μ m.

13. (New) The gas generating composition as recited in claim 1, wherein the ammonium nitrate is phase-stabilized ammonium nitrate.

14. (New) The gas generating composition as recited in claim 1, wherein the gas generating composition further comprises a high energy substance.

15. (New) The gas generating composition as recited in claim 1, wherein the gas generating composition further comprises a binder and a plasticizer.

16. (New) The gas generating composition as recited in claim 1, wherein the gas generating composition is formed into a cylindrical body that has an outer diameter of 5 to 40mm and a length of 5 to 40mm and has 7 or 19 substantially equally spaced bores with an inner diameter of 1 to 10mm extending longitudinally therethrough, and the thickness from a surface of the cylindrical body to the bore is 3mm or less.

17. (New) The gas generating composition as recited in claim 1, wherein the gas generating composition is molded into a cylindrical body that has an outer diameter of 3 to 10mm and a length of 2 to 10mm and has a bore with an inner diameter of 1 to 8mm extending longitudinally at the center thereof, and the thickness from a surface of the cylindrical body to the bore is 3mm or less.

18. (New) The gas generating composition as recited in claim 1, wherein the gas generating composition is molded into a cylindrical body that has an outer diameter of 0.5 to 5mm and a length of 0.5 to 5mm and has a bore with an inner diameter of 0.1 to 4mm extending longitudinally at the center thereof, and the thickness from a surface of the cylindrical body to the bore is 1mm or less.

19. (New) The gas generating composition as recited in claim 1, wherein the stabilizer is at least one selected from the group consisting of diphenylamine, resorcinol, and diethyldiphenyl urea.

20. (Canceled)

21. (New) The gas generating composition as recited in claim 1, wherein the activated carbon has an average particle size of 1 to 100 μ m and has a specific surface of 10 to 1500m²/g.

22. (New) The gas generating composition as recited in claim 1, wherein the activated carbon has an average particle size of 3 to 50 μ m and has a specific surface of 50 to 1300m²/g.

23. (New) A gas generating composition for use with an airbag device or a seat belt pretensioner apparatus, essentially consisting of:

ammonium nitrate as an oxidizing agent;

activated carbon having an average particle size of 0.1 to 500 μ m and having a specific surface of 5 to 1600m²/g as a reducing agent; and

a stabilizer, wherein the amounts of the ammonium nitrate, the activated carbon, and the stabilizer are from 89 to 99wt%, from 1 to 6wt%, and from 0.2 to 6wt%, respectively, with respect to the total amount of the ammonium nitrate, the activated carbon and the stabilizer.

24. (New) The gas generating composition as recited in claim 23, wherein the activated carbon has an average particle size of 3 to 50 μ m and has a specific surface of 50 to 1300m²/g.

25. (New) The gas generating composition as recited in claim 23, wherein the stabilizer is at least one selected from the group consisting of diphenylamine, resorcinol, and diethyldiphenyl urea.

26. (New) A gas generating composition for use with an airbag device or a seat belt pretensioner apparatus essentially consisting of:

ammonium nitrate as an oxidizing agent;

activated carbon having an average particle size of 0.1 to 500 μ m and having a specific surface of 5 to 1600m²/g as a reducing agent; and

a stabilizer, wherein the amounts of the ammonium nitrate, the activated carbon, and the stabilizer are from 89 to 99wt%, from 1 to 6wt%, and from 0.2 to 6wt%, respectively, with respect to the total amount of the ammonium nitrate, the activated carbon and the stabilizer, thereby the gas generating composition produces substantially no carbon monoxide when burned.

27. (New) The gas generating composition as recited in claim 26, wherein the activated carbon has an average particle size of 3 to 50 μ m and has a specific surface of 50 to 1300m²/g.

28. (New) The gas generating composition as recited in claim 26, wherein the stabilizer is at least one selected from the group consisting of diphenylamine, resorcinol, and diethyldiphenyl urea.

29. (New) A gas generating composition for use with an airbag device or a seat belt pretensioner apparatus essentially consisting of:

ammonium nitrate as an oxidizing agent;

activated carbon having an average particle size of 0.1 to 500 μ m and having a specific surface of 5 to 1600m²/g as a reducing agent;

a high-energy compound selected from the group consisting of trimethylene trinitroamine, tetramethylene tetranitroamine, pentaerythritol tetranitrate, triaminoguanidinenitrate), and hydrazine nitrate; and

a stabilizer, wherein the amounts of the ammonium nitrate, the activated carbon, and the stabilizer are from 89 to 99wt%, from 1 to 6wt%, and from 0.2 to 6wt%, respectively, with respect to the total amount of the ammonium nitrate, the activated carbon and the stabilizer, thereby the gas generating composition produces substantially no carbon monoxide when burned.

30. (New) The gas generating composition as recited in claim 29, wherein the activated carbon has an average particle size of 3 to 50 μ m and has a specific surface of 50 to 1300m²/g.

31. (New) The gas generating composition as recited in claim 29, wherein the stabilizer is at least one selected from the group consisting of diphenylamine, resorcinol, and diethyldiphenyl urea.

32. (New) The gas generating composition as recited in claim 29, wherein the amount of the high-energy compound in the gas generating composition is 15wt% or less.

33. (New) A gas generating composition for use with an airbag device or a seat belt pretensioner apparatus essentially consisting of:

ammonium nitrate as an oxidizing agent;

activated carbon having an average particle size of 0.1 to 500 μ m and having a specific surface of 5 to 1600m²/g as a reducing agent;

a binder selected from the group consisting of cellulose acetate, cellulose butylate, polyesters, polyethers, polyurethanes, nitrocellulose, poly(vinyl alcohol), glycidyl azide polymers, thermoplastic elastomers, and thermoset elastomers; and

a stabilizer, wherein the amounts of the ammonium nitrate, the activated carbon, and the stabilizer are from 89 to 99wt%, from 1 to 6wt%, and from 0.2 to 6wt%, respectively, with respect to the total

amount of the ammonium nitrate, the activated carbon and the stabilizer, thereby the gas generating composition produces substantially no carbon monoxide when burned.

34. (New) The gas generating composition as recited in claim 33, wherein the activated carbon has an average particle size of 3 to 50 μ m and has a specific surface of 50 to 1300m²/g.

35. (New) The gas generating composition as recited in claim 33, wherein the stabilizer is at least one selected from the group consisting of diphenylamine, resorcinol, and diethyldiphenyl urea.

36. (New) The gas generating composition as recited in claim 33, wherein the amount of the binder in the gas generating composition is 25wt% or less

37. (New) A gas generating composition for use with an airbag device or a seat belt pretensioner apparatus essentially consisting of:

ammonium nitrate as an oxidizing agent;

activated carbon having an average particle size of 0.1 to 500 μ m and having a specific surface of 5 to 1600m²/g as a reducing agent;

a high-energy-compound selected from the group consisting of trimethylene trinitroamine, tetramethylene tetranitroamine, pentaerythritol tetranitrate, triaminoguanidinenitrate), and hydrazine nitrate;

a binder selected from the group consisting of cellulose acetate, cellulose butylate, polyesters, polyethers, polyurethanes, nitrocellulose, poly (vinyl alcohol), glycidyl azide polymers, thermoplastic elastomers, and thermoset elastomers; and

a stabilizer, wherein the amounts of the ammonium nitrate, the activated carbon, and the stabilizer are from 89 to 99wt%, from 1 to 6wt%, and from 0.2 to 6wt%, respectively, with respect to the total amount of the ammonium nitrate, the activated carbon and the stabilizer, thereby the gas generating composition produces substantially no carbon monoxide when burned.

38. (New) The gas generating composition as recited in claim 37, wherein the activated carbon has an average particle size of 3 to 50 μ m and has a specific surface of 50 to 1300m²/g.

39. (New) The gas generating composition as recited in claim 37, wherein the stabilizer is at least one selected from the group consisting of diphenylamine, resorcinol, and diethyldiphenyl urea.

40. (New) The gas generating composition as recited in claim 37, wherein the amount of the high-energy compound in the gas generating composition is 15wt% or less

41. (New) The gas generating composition as recited in claim 37, wherein the amount of the binder in the gas generating composition is 25wt% or less.